

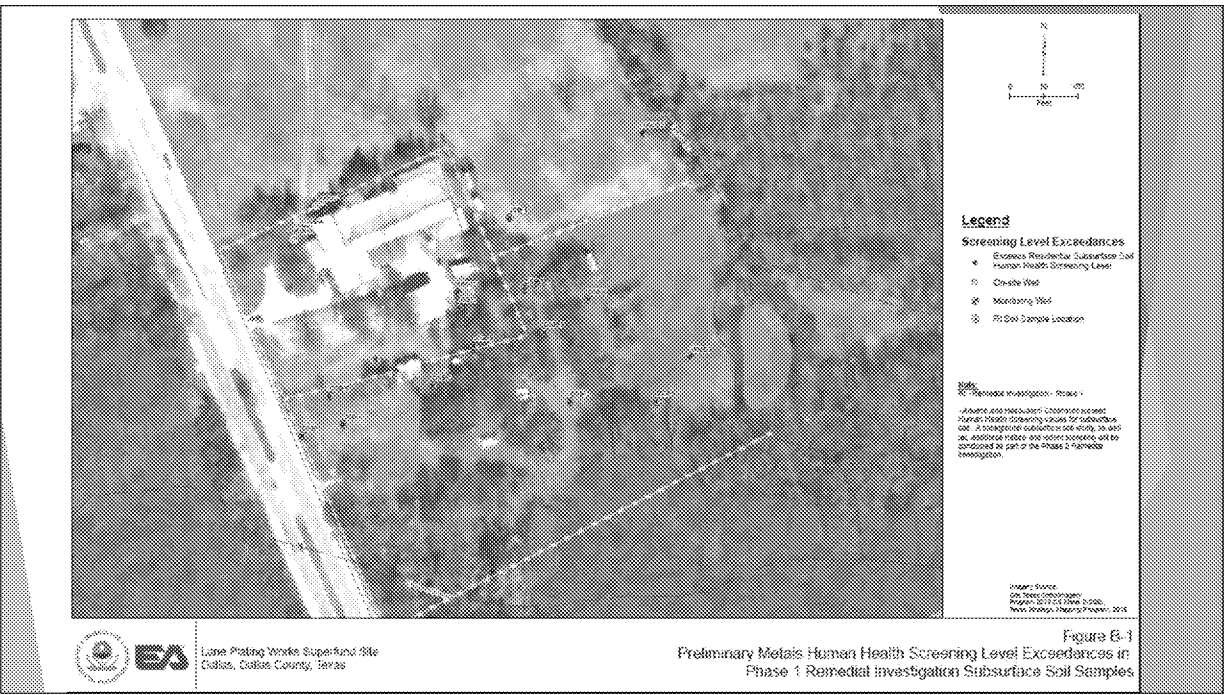


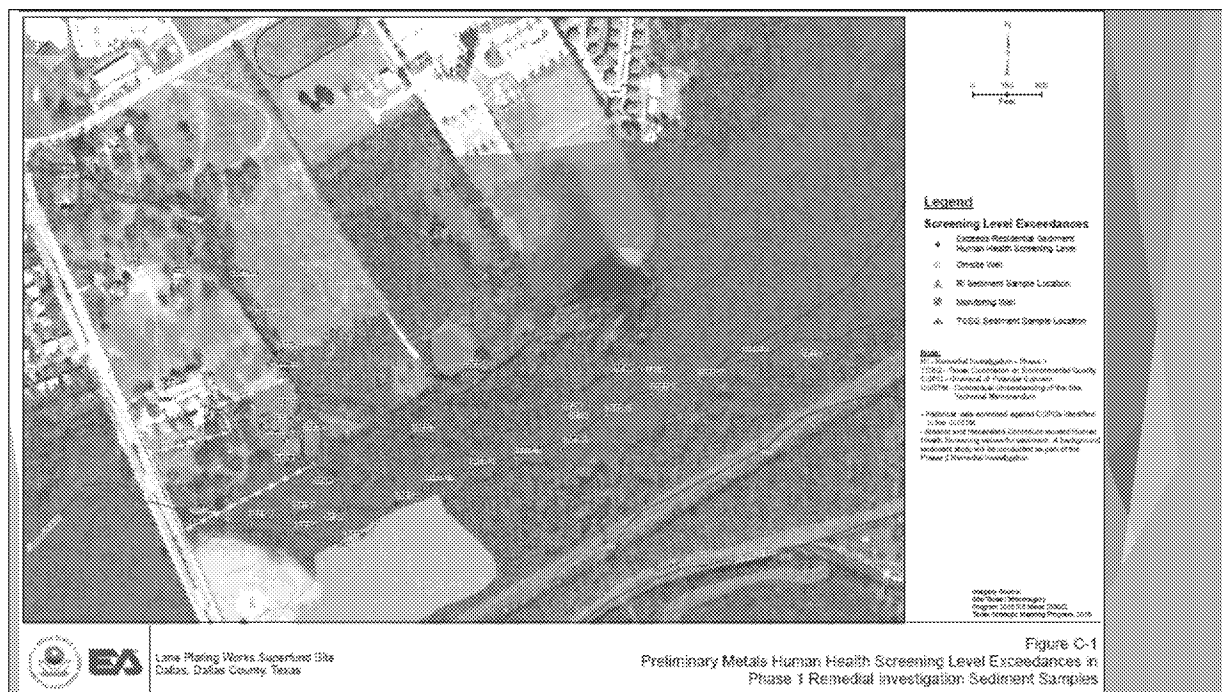
Lane Plating Phase One Data Summary

The DQO process goals for the Phase 1 RI field event are as follows:

- 1. Confirm location of sources for contamination.*
- 2. Expand analyte list to include organic compounds for a limited number of collected samples to ensure other COPCs do not exist for the site.*
- 3. Evaluate a limited number of collected samples for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and perfluorinated compounds (PFCs) to determine if these COPCs are present at the site.*
- 4. Determine the nature and extent of contamination in soil, groundwater, surface water, and sediment, and if necessary, in the future based on the Phase I finding, collect biota samples for laboratory analyses. If necessary, also conduct soil gas and indoor air investigations if VOCs are identified as COPCs.*
- 5. Evaluate the groundwater to surface water pathway to determine if groundwater impacts surface water (e.g., complete or potentially complete pathway).*
- 6. Characterize and delineate groundwater discharge to surface water to determine if COPCs present unacceptable human health/ecological risk requiring evaluation of options and technologies to support future actions.*
- 7. Determine whether COPCs present unacceptable human health/ecological risk requiring the evaluation of options and technologies to support future actions.*
- 8. Evaluate the hydraulic gradient of the shallow groundwater bearing unit(s) in the site vicinity.*
- 9. Evaluate and delineate the small, interconnected streams and ponds of the surface water pathway located east of the site.*







Sample Location	Sample Number	Media	Date Collected	Analyte	Concentration	Unit	Qualifier	Human Health SL (mg/kg)	Human Health SL Exceedance	Ecological SL (mg/kg)	Ecological SL Exceedance
LSED-1	LSED-1-0-0-0.5	Sediment	5/19/2019	Phenanthrene	0.517	mg/kg		240	---	0.423	1.21
				Lead	56.8	mg/kg		400	---	35.8	1.38
				Magnesium	731	mg/kg		1800	---	460	1.13
				Pyrene	0.71	mg/kg		1800	---	0.20	3.55
				Zinc	128	mg/kg	J	22000	---	121	1.06
LSED-2	LSED-2-0-0-0.5	Sediment	5/14/2019	Arsenic	6.3	mg/kg		6.3	1.01	9.79	---
				Lead	88.8	mg/kg		400	---	57.8	1.52
				Magnesium	738	mg/kg		1800	---	460	1.60
LSED-3	LSED-3-0-0-0.5	Sediment	5/16/2019	Magnesium	811	mg/kg		1800	---	460	1.33
	LSED-3-0-0-0.5-D	Sediment	5/16/2019	Magnesium	670	mg/kg		1800	---	460	1.46
LSED-4	LSED-4-0-0-0.5	Sediment	5/16/2019	Magnesium	841	mg/kg		1800	---	460	1.40
				Nickel	57.9	mg/kg		1300	---	22.7	2.46
LSED-5	LSED-5-0-0-0.5	Sediment	5/16/2019	Lead	84.1	mg/kg		400	---	57.8	1.79
				Zinc	171	mg/kg	J	22000	---	121	1.23
LSED-6	LSED-6-0-0-0.5	Sediment	5/16/2019	Magnesium	613	mg/kg		1800	---	460	1.42
LSED-7	LSED-7-0-0-0.5	Sediment	5/16/2019	Magnesium	787	mg/kg		1800	---	460	1.71
LSED-8	LSED-8-0-0-0.5	Sediment	5/16/2019	Magnesium	611	mg/kg		1800	---	460	1.33
LSED-9	LSED-9-0-0-0.5	Sediment	5/19/2019	Chrysotile (Asbestos)	79.1	mg/kg		120000	---	13.4	1.82
				Lead	5.1	mg/kg		3	1.70	---	---
				Lead	43.7	mg/kg		400	---	35.8	1.32
				Magnesium	1340	mg/kg		1800	---	460	2.78
				Magnesium	301	mg/kg		1800	---	460	1.10
LSED-10	LSED-10-0-0-0.5	Sediment	5/14/2019	Lead	58.2	mg/kg		400	---	35.8	1.47
LSED-11	LSED-11-0-0-0.5	Sediment	5/14/2019	Magnesium	487	mg/kg		1800	---	460	1.06
LSED-12	LSED-12-0-0-0.5	Sediment	5/17/2019	Arsenic	7.6	mg/kg		6.3	1.12	9.79	---
				Chrysotile (Asbestos)	3.1	mg/kg		3	1.07	---	---
				Magnesium	798	mg/kg		1800	---	460	1.82
LSED-13	LSED-13-0-0-0.5	Sediment	5/17/2019	Lead	38.1	mg/kg		400	---	35.8	1.09
				Magnesium	317	mg/kg		1800	---	460	1.12
LSED-14	LSED-14-0-0-0.5	Sediment	5/17/2019	Lead	69.4	mg/kg		400	---	35.8	1.94
LSED-15	LSED-15-0-0-0.5	Sediment	5/29/2019	Lead	27.3	mg/kg		400	---	35.8	0.44
				Magnesium	780	mg/kg		1800	---	460	1.72
LSED-16	LSED-16-0-0-0.5	Sediment	5/14/2019	Lead	11.7	mg/kg		400	---	35.8	0.27
				Magnesium	488	mg/kg		1800	---	460	1.06
				Lead	120	mg/kg		400	---	35.8	3.35
LSED-17	LSED-17-0-0-0.5	Sediment	5/19/2019	Lead	70.8	mg/kg		400	---	35.8	1.97
				Magnesium	826	mg/kg		1800	---	460	1.38
LSED-18	LSED-18-0-0-0.5	Sediment	5/19/2019	Lead	70.8	mg/kg		400	---	35.8	1.98
				Magnesium	751	mg/kg		1800	---	460	1.82

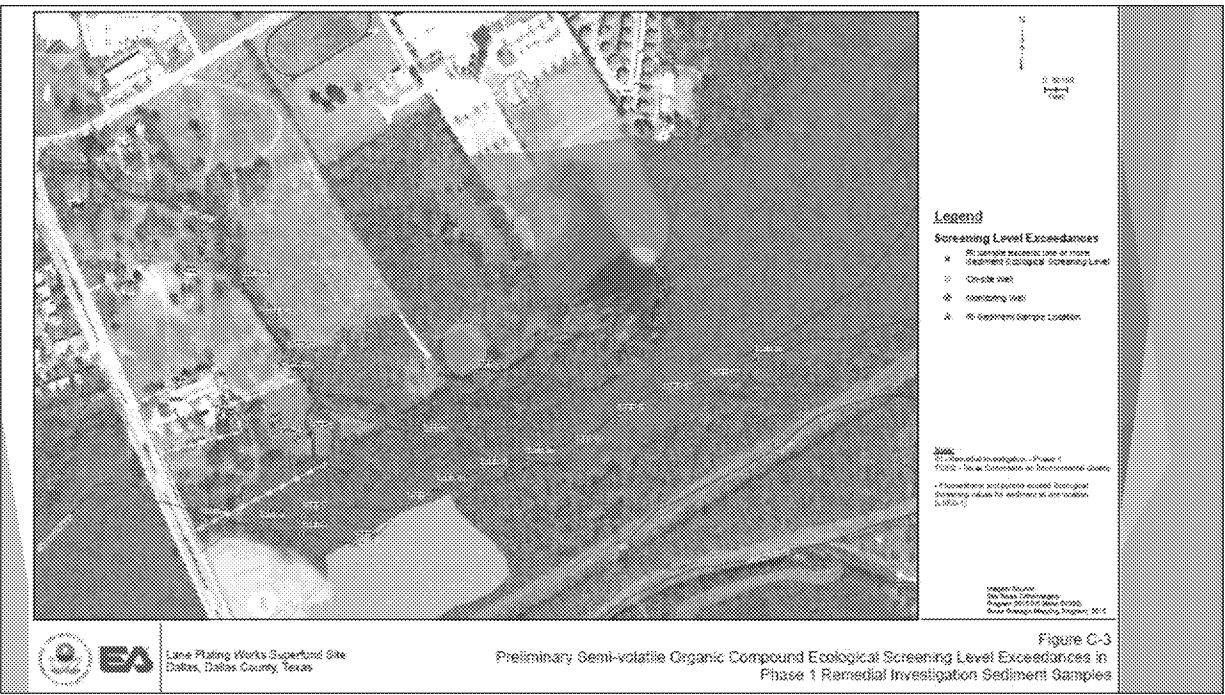




Table D-3 Phase I RI Surface Water Screening Level Exceedances

Sample Location	Sample Number	Media	Date Collected	Analyte	Concentration	Unit	Qualifier	Human Health SL (ug/L)	Human Health SL Exceedance	Ecological SL (ug/L)	Ecological SL Exceedance
LSW-01	LSW-01	Surface Water	5/15/2019	Aluminum	171	ug/L	1	---	---	87	1.97
	LSW-01	Surface Water	5/15/2019	Manganese	105	ug/L	---	50	2.10	1310	---
	LSW-01	Surface Water	5/15/2019	Manganese	3270	ug/L	1	---	---	925.5	1.01
	LSW-01-F	Surface Water	5/15/2019	Manganese	95.2	ug/L	---	50	1.92	1310	---
LSW-02	LSW-02	Surface Water	5/16/2019	Manganese	4250	ug/L	1	---	---	925.5	1.31
	LSW-02	Surface Water	5/16/2019	Manganese	1380	ug/L	---	50	21.60	1310	1.21
	LSW-02-F	Surface Water	5/16/2019	Manganese	4160	ug/L	1	---	---	925.5	1.29
	LSW-02-F	Surface Water	5/16/2019	Manganese	1680	ug/L	---	50	23.60	1310	1.28
LSW-03	LSW-03	Surface Water	5/16/2019	Aluminum	113	ug/L	1	---	---	87	1.30
	LSW-03	Surface Water	5/16/2019	Manganese	113	ug/L	---	50	2.20	1310	---
	LSW-03-F	Surface Water	5/16/2019	Manganese	77.3	ug/L	---	50	1.55	1310	---
	LSW-03-D	Surface Water	5/16/2019	Aluminum	113	ug/L	1	---	---	87	1.38
LSW-04	LSW-04	Surface Water	5/16/2019	Manganese	113	ug/L	---	50	2.20	1310	---
	LSW-04-F	Surface Water	5/16/2019	Manganese	76.2	ug/L	---	50	1.58	1310	---
	LSW-04	Surface Water	5/16/2019	Manganese	4370	ug/L	1	---	---	925.5	1.35
	LSW-04-F	Surface Water	5/16/2019	Manganese	140	ug/L	---	50	2.80	1310	---
LSW-05	LSW-05	Surface Water	5/16/2019	Manganese	4020	ug/L	1	---	---	925.5	1.42
	LSW-05	Surface Water	5/16/2019	Manganese	135	ug/L	---	50	2.64	1310	---
	LSW-05	Surface Water	5/16/2019	Aluminum	111	ug/L	1	---	---	87	1.28
	LSW-05	Surface Water	5/16/2019	Manganese	4390	ug/L	1	---	---	925.5	1.38
LSW-06	LSW-06	Surface Water	5/16/2019	Manganese	143	ug/L	---	50	2.80	1310	---
	LSW-06-F	Surface Water	5/16/2019	Manganese	4810	ug/L	1	---	---	925.5	1.35
	LSW-06-F	Surface Water	5/16/2019	Manganese	133	ug/L	---	50	2.66	1310	---
	LSW-06	Surface Water	5/16/2019	Aluminum	156	ug/L	---	---	---	87	1.75
LSW-07	LSW-07	Surface Water	5/16/2019	Iron	1170	ug/L	---	---	---	1000	1.57
	LSW-07	Surface Water	5/16/2019	Manganese	9860	ug/L	1	---	---	925.5	1.50
	LSW-07	Surface Water	5/16/2019	Manganese	859	ug/L	---	50	17.18	1310	---
	LSW-07-F	Surface Water	5/16/2019	Aluminum	115	ug/L	1	---	---	87	1.21
LSW-08	LSW-08	Surface Water	5/16/2019	Manganese	3840	ug/L	1	---	---	925.5	1.19
	LSW-08-F	Surface Water	5/16/2019	Manganese	334	ug/L	---	50	26.56	1310	---
	LSW-07	Surface Water	5/16/2019	Aluminum	58	ug/L	1	---	---	87	1.13
	LSW-07	Surface Water	5/16/2019	Manganese	4070	ug/L	1	---	---	925.5	1.22
LSW-09	LSW-09	Surface Water	5/16/2019	Manganese	35.2	ug/L	---	50	1.70	1310	---
	LSW-09-F	Surface Water	5/16/2019	Manganese	4430	ug/L	1	---	---	925.5	1.37
	LSW-09-F	Surface Water	5/16/2019	Manganese	78.2	ug/L	---	50	1.58	1310	---
	LSW-09	Surface Water	5/16/2019	Cyanide	31.8	ug/L	4	---	2.23	5.2	69.2
LSW-08	LSW-08	Surface Water	5/16/2019	Manganese	3420	ug/L	1	---	---	925.5	1.06
	LSW-08	Surface Water	5/16/2019	Manganese	523	ug/L	---	50	10.48	1310	---
	LSW-08-F	Surface Water	5/16/2019	Manganese	3370	ug/L	1	---	---	925.5	1.04
	LSW-08-F	Surface Water	5/16/2019	Manganese	497	ug/L	---	50	9.94	1310	---



Sample Location	Sample Number	Media	Date Collected	Analyte	Concentration	Unit	Qualifier	100 Human Health SL (ug/L)	Human Health SL Exceedance
MW-01	MW-01	Groundwater	5/28/2019	Chromium	244	ug/L		300	2.44
	MW-01	Groundwater	5/28/2019	Chromium (hexavalent)	216	ug/L		6,000	6170
	MW-01	Groundwater	5/28/2019	Perfluorooctanesulfonic acid (PFOS)	0.48	ug/L		0.093	5.16
	MW-01	Groundwater	5/28/2019	Perfluorooctanesulfonic acid (PFOS)	18	ug/L		0.56	32.14
	MW-01-D	Groundwater	5/28/2019	Chromium (hexavalent)	506	ug/L		0.033	16143
	MW-01-D	Groundwater	5/28/2019	Perfluorooctanesulfonic acid (PFOS)	0.93	ug/L		0.093	4.32
WW-01	MW-01-D	Groundwater	5/28/2019	Perfluorooctanesulfonic acid (PFOS)	15	ug/L		0.56	26.79
	WW-01	Groundwater	5/28/2019	Chromium	820	ug/L		300	6.20
	WW-01-F	Groundwater	5/28/2019	Chromium	597	ug/L		300	3.97
	WW-01	Groundwater	5/28/2019	Chromium (hexavalent)	563	ug/L		0.033	16143
	WW-01-D	Groundwater	5/28/2019	Chromium	611	ug/L		300	6.11
	WW-01-F-D	Groundwater	5/28/2019	Chromium	626	ug/L		300	6.26

NOTE:

U.S. Environmental Protection Agency (EPA) National Primary Drinking Water Regulation, Maximum Contaminant Levels (MCLs), May 2019.

EPA Region 6 Regional Screening Levels (RSLs) for Tapwater (May 2019) for hazard index = 1.0 for non-carcinogens and a 10-6 cancer risk level for carcinogens.

Texas Commission on Environmental Quality Risk Reduction Program (TRRP) PCLs for residential groundwater use, revised April 27, 2018 (WQGs).

(<https://www.tceq.texas.gov/contaminants/comp/wqgs.html>)

The exceed column is the maximum detected concentration divided by the comparison criteria. Only comparisons where the maximum detected concentration exceeds the comparison criteria are presented.

— = Not applicable or not available.

ug/L = Microgram(s) per Liter.

Phase 2 Sampling Plan

